RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/502,510 C

Source: _____ JFW90

Date Processed by STIC: _____ 01/11/2007

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RAW SEQUENCE LISTING DATE: 01/11/2007
PATENT APPLICATION: **US/10/502,510C** TIME: 14:24:53

Input Set : **E:\04-585SeqListingST25.txt**
Output Set: **N:\CRF4\01112007\J502510C.raw**

```
 3 <110> APPLICANT: El-Gewely, Mohamed Raafat
 4        El-Gewely, Mohamed Raafat
 5        Gardner, Rebecca
 7 <120> TITLE OF INVENTION: Methods of screening molecular libraries and active
molecules
 8        identified thereby
10 <130> FILE REFERENCE: MBHB-04-585 (59.68.75763/001)
12 <140> CURRENT APPLICATION NUMBER: 10/502,510C
13 <141> CURRENT FILING DATE: 2004-07-23
15 <150> PRIOR APPLICATION NUMBER: PCT/GB03/00291
16 <151> PRIOR FILING DATE: 2003-01-23
18 <150> PRIOR APPLICATION NUMBER: GB0201522.0
19 <151> PRIOR FILING DATE: 2002-02-23
21 <160> NUMBER OF SEQ ID NOS: 53
23 <170> SOFTWARE: PatentIn version 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 21
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: secretion signal peptide
33 <400> SEQUENCE: 1
35 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
36 1               5                   10                  15
39 Gly Ser Thr Gly Asp
40             20
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 49
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: transmembrane domain
51 <400> SEQUENCE: 2
53 Ala Val Gly Gln Asp Thr Gln Glu Val Ile Val Val Pro His Ser Leu
54 1               5                   10                  15
57 Pro Phe Lys Val Val Val Ile Ser Ala Ile Leu Ala Leu Val Val Leu
58             20                  25                  30
61 Thr Ile Ile Ser Leu Ile Ile Leu Ile Met Leu Trp Gln Lys Lys Pro
62         35                  40                  45
65 Arg
69 <210> SEQ ID NO: 3
70 <211> LENGTH: 5
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
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 74 <220> FEATURE:
 75 <223> OTHER INFORMATION: peptide derivative
 77 <400> SEQUENCE: 3
 79 Met Gly Trp Cys Thr
 80 1               5
 83 <210> SEQ ID NO: 4
 84 <211> LENGTH: 190
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Artificial Sequence
 88 <220> FEATURE:
 89 <223> OTHER INFORMATION: vector
 91 <400> SEQUENCE: 4
 92 ttgacgcaaa tgggcggtag gcgtgtacgg tgggaggtct atataagcag agctcgttta    60
 94 gtgaaccgtc agatctctag aagctgggta ccagctgcta gcaagcttgc tagcggccgc   120
 96 tcgaggccgg caaggccgga tccagacatg ataagataca ttgatgagtt tggacaaacc   180
 98 acaactagaa                                                          190
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 70
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: vector
110 <220> FEATURE:
111 <221> NAME/KEY: misc_feature
112 <223> OTHER INFORMATION: N = A, C, G or T in equal molar ratio
114 <220> FEATURE:
115 <221> NAME/KEY: misc_feature
116 <223> OTHER INFORMATION: K = G or T in equal molar ratio
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (37)..(38)
121 <223> OTHER INFORMATION: n is a, c, g, or t
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (39)..(39)
126 <223> OTHER INFORMATION: K = G or T in equal molar ratio
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (40)..(41)
131 <223> OTHER INFORMATION: n is a, c, g, or t
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (42)..(42)
136 <223> OTHER INFORMATION: K = G or T in equal molar ratio
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (43)..(44)
141 <223> OTHER INFORMATION: n is a, c, g, or t
143 <220> FEATURE:
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       144 <221> NAME/KEY: misc_feature
       145 <222> LOCATION: (45)..(45)
       146 <223> OTHER INFORMATION: K = G or T in equal molar ratio
       148 <400> SEQUENCE: 5
W-->   149 aagagctcgg taccaagaag gagtttacat atgggannkn nknnktgata aggatccaag    60
       151 cttgaattca                                                          70
       154 <210> SEQ ID NO: 6
       155 <211> LENGTH: 23
       156 <212> TYPE: DNA
       157 <213> ORGANISM: Artificial Sequence
       159 <220> FEATURE:
       160 <223> OTHER INFORMATION: synthetic sequence
       162 <400> SEQUENCE: 6
       163 aagagctcgg taccaagaag gag                                            23
       166 <210> SEQ ID NO: 7
       167 <211> LENGTH: 25
       168 <212> TYPE: DNA
       169 <213> ORGANISM: Artificial Sequence
       171 <220> FEATURE:
       172 <223> OTHER INFORMATION: synthetic sequence
       174 <400> SEQUENCE: 7
       175 ctgaattcaa gcttggatcc ttatc                                          25
       178 <210> SEQ ID NO: 8
       179 <211> LENGTH: 20
       180 <212> TYPE: DNA
       181 <213> ORGANISM: Artificial Sequence
       183 <220> FEATURE:
       184 <223> OTHER INFORMATION: primer
       186 <400> SEQUENCE: 8
       187 agagctcgtt tagtgaaccg                                                20
       190 <210> SEQ ID NO: 9
       191 <211> LENGTH: 20
       192 <212> TYPE: DNA
       193 <213> ORGANISM: Artificial Sequence
       195 <220> FEATURE:
       196 <223> OTHER INFORMATION: primer
       198 <400> SEQUENCE: 9
       199 gtggtttgtc caaactcatc                                                20
       202 <210> SEQ ID NO: 10
       203 <211> LENGTH: 55
       204 <212> TYPE: DNA
       205 <213> ORGANISM: Artificial Sequence
       207 <220> FEATURE:
       208 <223> OTHER INFORMATION: library sequence
       210 <400> SEQUENCE: 10
       211 ggtaccaaga aggagtttac atatgggatg gtgtacttga taaggatcca agctt          55
       214 <210> SEQ ID NO: 11
       215 <211> LENGTH: 20
       216 <212> TYPE: DNA
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217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: primer
222 <400> SEQUENCE: 11
223 ctacctcagg cagctcaagc                                            20
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 20
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: primer
234 <400> SEQUENCE: 12
235 agacagcacc ctcatcatgc                                            20
238 <210> SEQ ID NO: 13
239 <211> LENGTH: 20
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: primer
246 <400> SEQUENCE: 13
247 tggtgctcat cttaatggcc                                            20
250 <210> SEQ ID NO: 14
251 <211> LENGTH: 20
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: primer
258 <400> SEQUENCE: 14
259 tgacaaaacc taacttgcgc                                            20
262 <210> SEQ ID NO: 15
263 <211> LENGTH: 26
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Primer
270 <400> SEQUENCE: 15
271 aagcagtggt aacaacgcag agtact                                     26
274 <210> SEQ ID NO: 16
275 <211> LENGTH: 23
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Primer
282 <400> SEQUENCE: 16
283 aagcagtggt aacaacgcag agt                                        23
286 <210> SEQ ID NO: 17
287 <211> LENGTH: 34
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
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291 <220> FEATURE:
292 <223> OTHER INFORMATION: Primer
294 <400> SEQUENCE: 17
295 atctaagctt gaggcttcag cccgggaatt ccag                    34
298 <210> SEQ ID NO: 18
299 <211> LENGTH: 34
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Primer
306 <400> SEQUENCE: 18
307 atctaccggt gccagcagtg gcgccgtcca acag                    34
310 <210> SEQ ID NO: 19
311 <211> LENGTH: 31
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Primer
318 <400> SEQUENCE: 19
319 aataacccgg gtcgccacca tggtgagcaa g                       31
322 <210> SEQ ID NO: 20
323 <211> LENGTH: 34
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Primer
330 <400> SEQUENCE: 20
331 aataatctag aacttgtaca gctcgtccat gccg                    34
334 <210> SEQ ID NO: 21
335 <211> LENGTH: 22
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Primer
342 <400> SEQUENCE: 21
343 tcgtaaatca ctgcataatt cg                                 22
346 <210> SEQ ID NO: 22
347 <211> LENGTH: 22
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: Primer
354 <400> SEQUENCE: 22
355 gtccataccc tttttacgtg aa                                 22
358 <210> SEQ ID NO: 23
359 <211> LENGTH: 22
360 <212> TYPE: DNA
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/11/2007
PATENT APPLICATION: US/10/502,510C   TIME: 14:24:54

Input Set : **E:\04-585SeqListingST25.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 37,38,40,41,43,44
Seq#:42; N Pos. 37,38,40,41,43.44
Seq#:51; Xaa Pos. 2

VERIFICATION SUMMARY   DATE: 01/11/2007
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L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0